



PRODUCT SPECIFICATION

DisplayShield™ Monitor Enclosure

General:

The monitor enclosure shall be a **DisplayShield™ Monitor Enclosure (DSME)** as manufactured by **Custom Display Solutions (CDS), Inc.** The DSME shall be a fabricated sheet metal enclosure, designed to protect the specified monitor (up to 103") from vandalism, theft and environmental elements as required. Base Model DSME Units are designed for indoor use and come equipped with thermally controlled fans for proper ventilation. Deluxe DSME Units are designed for outdoor applications, are environmentally sealed and may be outfit with A/C and heating as required. All DSME Units come equipped with a monitor mounting bracket and a locking service hatch, outfit with replaceable, non-glare coated, polycarbonate shield. The DSME Shield is resistant to impact, abrasion and chemical contact.

DSME Deluxe Units are typically finished with an Anti-Graffiti Powder coat that resists spray paint and fly paper attacks. DSME Deluxe are outfit with Roxtec sealed cable ports and a thermally controlled, air conditioning/heating DSME Comfort™ unit. As an option, the DSME Deluxe Unit may also be outfit with an internal LAN/WAN enabled, DSME SensorPort™ with optional sensors that actively monitor the DSME. DSME Sensor options include: Security, Temperature, Humidity, Airflow and Voltage. The DSME SensorPort™ is connected to a LAN/WAN via Ethernet connection for web-based monitoring with email notification of alarms.

Design & Documentation:

The DisplayShield™ Monitor Enclosure shall be designed completely in CAD and sign-off drawings will be provided to the customer prior to fabrication. A serial number shall be applied to the specified design and the CAD files shall be archived for future reference.

Construction:

The DisplayShield™ Monitor Enclosure shall be constructed of welded sheet metal, powder coated to resist corrosion. The service hatch shall be supported by heavy-duty gas shock operation and shall be held closed by tamper resistant cam-style key locks. The internal monitor mount shall also be of welded sheet metal construction and appropriate, hardened monitor connection hardware shall be provided with the DSME.

Ventilation:

Basic DSME Units shall be outfit with thermally controlled, louvered & ducted intake and exhaust fans. DSME Deluxe units shall be outfit with a DSME Comfort™ air conditioning/heater unit. The DSME Comfort™ Unit allows for monitor operation in outdoor environments ranging in temperature from 15° -115° F.

Cabling/Wiring:

Basic DSME Units shall be outfit with rubber grommets to allow for signal and power cable routing. DSME Deluxe units shall be outfitted with Roxtec grommets. The DSME Shall come equipped with a surge-protected, four port power strip with cable ties for neat cable management.

Factory Testing:

Prior to shipment, the DSME shall be pre-assembled and tested. Satisfactory performance shall be documented and approved by the manufacturer. A written and photographic record of this factory test shall be kept by the manufacturer and made available to the customer upon request.

Warranty:

The DisplayShield™ Monitor Enclosure Factory Warranty shall cover all parts and labor for one full year from invoice date against defects in manufacturing. The manufacturer reserves the right to repair or replace the item in question to satisfy the customer.

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